| Index | of Claims |  |
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|       |           |  |

Application/Control No.

10/823,484

Applicant(s)/Patent under Reexamination
SAITO ET AL.

Examiner

Art Unit

Kevin M. Bernatz

1773

√ Rejected
= Allowed

(Through numeral)
Cancelled
+ Restricted

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| Cla  | im                      | Г        |           | _        |          | Date     | θ        | -               |                   |          |   | CI               | aim      | Τ  |              |                |          | Date     |   | ,                       |                  | 1            | CI           | aim        | Γ        |               |  |          | Date     | е —      |          |          | $\neg$   |
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|  | _                       | <b>L</b> | 1         | Г        | П        |          |          | Ι.              | Г                 | Γ        | 1 |                  |          | Τ  | 11           | $\overline{1}$ |          |          |   | Т                       | T                |              |              |            | $\Box$   | П             |  |          |          |          |          | $\neg$   | П        |
| Final  | Original                | 96/01    | 1/07      | Ì        |          |          | i        |                 |                   | ı        |   | Final            | Original | 20/01 11   | 1,           | J              | H        |          |   |                         |                  |              | 귤            | Original   | ı        | 1 1           |  |          |          |          |          | .        |          |
| =  | Ë                       | 9        | 1         |          |          |          |          | 1               | l                 | 1        |   | 듄                | Ē        | 1  | 10/2         | '              |          |          |   |                         |                  |              | Final        | ar g       | 1        |               |  |          |          | l        |          |          |          |
| 1 1  | O                       | _        | 7,        | 1        |          |          |          |                 |                   | 1        |   |                  | 0        | 2  | ~            | l              | 1        |          |   |                         |                  |              |              | 0          |          |               |  |          |          |          |          |          |          |
|  | 1                       | =        | ╘         | _        | П        |          | Т        |                 | Т                 |          | 1 | 19               | 51       | =  | =            | 1              | П        | П        |   | _                       | 1                |              |              | 101        | Т        | П             |  | $\vdash$ |          |          | Н        | ᅥ        | П        |
|  | 2                       |          | Г         |          |          |          | $\vdash$ | $\vdash$        |                   | Г        | 1 | 20               | 52       | 1  | T            | 1              | П        |          | $\neg$  | 1                       | _                |              |              | 102        |          | П             |  |          |          | Т        | П        | ┪        | П        |
|  | 8                       |          |           |          | П        |          |          | T               |                   | Г        | Ш | 41               | 53       | 17   | П            |                |          | $\Box$   | $\dashv$  | $\neg$                  |                  |              |              | 103        | T        | П             |  |          |          | $\vdash$ |          | ┪        | ╗        |
| 2  | 4                       |          | Ξ         |          | П        |          |          | Г               | 1                 | Г        | 1 | 22               | 54       | Ħ  | T            | Т              |          |          | $\dashv$  | _                       | _                |              |              | 104        |          | П             |  | _        | _        |          | Ħ        | ヿ        | ヿ        |
| 2 3  | 5                       | ī        | 1         |          |          |          |          | П               | Г                 | Г        |   | 27               | 55       | П  | Ħ            | Π              | П        | $\Box$   | 丁   | 7                       | $\top$           |              |              | 105        |          | П             |  |          |          |          | П        | ヿ        | П        |
| 4  | 6                       | П        | П         |          | П        |          |          |                 | Г                 | Г        | 1 | 24               | 56       | $\sqcap$   | П            | Τ              | П        |          | $\top$  | $\neg$                  |                  |              |              | 106        |          | П             |  | _        |          |          |          | $\neg$   | $\neg$   |
| 5  | 7                       | П        | Π         |          | П        |          |          |                 |                   | Г        |   | 45               | 57       | П  | П            | 1              | П        |          | T   | T                       | 1                |              |              | 107        |          | П             |  | П        |          |          | $\Box$   | 寸        |          |
| 6<br>7<br>8<br>9                                 | 8                       | П        | Π         |          |          |          |          | Γ               | П                 | Г        |   | 26<br>27         | 58       | П  | П            |                | П        | П        | T   | T                       | 7                |              |              | 108        |          | П             |  | П        |          |          |          | ヿ        | ヿ        |
| 7  | 9                       | II       | $\coprod$ |          |          |          |          |                 |                   |          |   | 37               | 59       |  | П            |                | П        |          | ╗   | T                       | T                |              |              | 109        |          | П             |  |          |          | П        | $\Box$   | ╗        |          |
| 8  | 10                      |          | П         |          |          |          |          |                 |                   |          |   | 28               | 60       | П  | П            |                | П        |          | $\top$  | $\Box$                  | $\top$           |              |              | 110        |          | П             |  |          |          |          |          | $\neg$   |          |
|  | 11                      |          |           |          |          |          |          |                 | $\Box$            |          |   | 29               | 61       | $\Box$   | П            |                |          |          | $\Box$  |                         | $\mathbf{I}^{-}$ |              |              | 111        |          | П             |  |          | -        |          |          | $\neg$   | $\neg$   |
| L  | 12                      |          | $\coprod$ |          |          |          |          |                 |                   |          |   | 29<br>30         | 62       | $\coprod$  | $\prod$      |                |          |          | $\Box$  | T                       |                  |              |              | 112        |          |               |  |          |          |          |          | $\neg$   | $\neg$   |
| 11   | 13                      |          |           |          | $\Box$   |          |          |                 |                   |          |   | 31               | 63       | $\coprod$  | П            | $L^{T}$        |          | $\Box$   | Π   | I                       | $I^-$            |              |              | 113        |          | П             |  |          |          |          |          | $\Box$   | $\Box$   |
| 12   | 14                      |          | Щ         |          | Ш        |          |          |                 |                   |          |   | 12               | 64       | $\prod$  | П            |                |          | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oldsymbol{\mathbb{I}}$ |                  |              |              | 114        |          |               |  |          |          |          |          | $\Box$   |          |
| 13   | 15                      |          | Ш         |          | Ш        |          |          |                 |                   |          |   | 37<br>14         | 65       | П  | Ш            |                | Ш        | $\Box$   | $\perp$   |                         |                  |              |              | 115        |          |               |  |          |          |          |          | $\Box$   | $\Box$   |
| 14   | 16                      | E        | Ł         |          | Ш        |          |          |                 | $oxed{\Box}$      | oxdot    |   | 14               | 66       | П  | П            | 匚              | Ш        | ⅃        | $\Box$  | $\perp$                 |                  |              |              | 116        |          |               |  |          |          |          |          | $\Box$   |          |
| $\sqcup$   | 17                      |          |           |          | Ш        |          |          |                 | $oxed{\Box}$      | Щ        |   | 23               | 67       | П  | Ш            |                | Ш        | $\perp$  |   |                         |                  |              |              | 117        |          |               |  |          |          |          |          |          |          |
| <u> </u>   | 18                      |          |           |          | Ц        |          |          |                 | $ldsymbol{f eta}$ |          |   | 76               | 68       | Ш  | П            |                | Ш        | _        |   |                         |                  |              |              | 118        |          |               |  |          |          |          |          | $\Box$   |          |
| $\sqcup$   | 19                      |          | Ш         |          | Ш        |          |          |                 |                   |          |   | 77               | 69       | Ш  | П            |                |          |          |   |                         |                  |              |              | 119        |          |               |  |          |          |          |          |          | $\neg$   |
| $\vdash$   | 20                      |          | Ш         |          | Ц        | _        | _        | $\Box$          | $\sqcup$          |          |   | 38               | 70       | Щ  | Ш            |                |          |          |   |                         |                  |              |              | 120        |          |               |  |          |          |          |          | $\Box$   |          |
| -  | 2                       |          | Ш         |          | Щ        | _        |          | Ш               | Ш                 |          |   | 31               | 71       | Ц  | 1            |                | Ш        | ┙        |   |                         |                  |              |              | 121        |          |               |  |          |          |          |          |          |          |
|  | 22                      | Ш        | Ш         |          | _        | _        |          | Ш               | L                 |          |   | 40               | 72       | Ξ  | 三            |                | Ш        |          |   |                         |                  |              |              | 122        |          |               |  |          |          |          |          |          |          |
| $\vdash \vdash$                                  | <del>थक्षक्रक्र</del> क | $\Box$   | Щ         | _        | Ц        | _        |          | Ш               | Ш                 |          |   |                  | 74       | <u> </u>   | ᆫ            | Ц              | Ц        | _        | _   |                         | Ш                |              |              | 123        |          |               |  | _        |          | Ŀ        |          | $\Box$   |          |
| <b></b>  | 21                      | Ц        | Ш         |          | $\sqcup$ | _        |          | Ш               | Ш                 |          |   |                  | 7/4      | L  | Ļ            | Щ              | Ц        | _        | 4   |                         | $\perp$          |              |              | 124        | Ш        | Ц             |  |          |          | Ш        |          |          |          |
| <b></b>  | 42                      | Ш        | Щ         |          | Н        | -        |          |                 | Н                 | Ш        |   |                  | 75       | ـــ  | L            | Ц              | Ц        | 4        | 4   |                         | $\perp$          |              |              | 125        | Ш        | $\Box$        | _                                      | _        |          | Ш        | $\sqcup$ | _        | _        |
| <b>├</b> ──┼                                     | 4                       | -        |           |          | $\vdash$ | -        | -        | Ш               | Н                 | Ш        |   |                  | 76       | ⊢  | <u> </u>     | L              | $\sqcup$ | 4        | 4   | -                       | ш                |              |              | 126        | Щ        | $\sqcup$      | _                                      | _        |          | Ц        | _        | _        | ᆚ        |
| $\vdash$   | 4                       |          |           | _        | $\dashv$ | $\dashv$ |          | Щ               | Н                 | Н        |   |                  | 77       | ├_   | <u> </u>     | L,             | $\dashv$ | -        | 4   | _                       | 44               |              |              | 127        | Ш        |               | _                                      | _        | _        | Ц        | _        | 4        | _        |
| <del></del>                                      | #                       | -        | Н         |          | $\dashv$ |          |          | Н               | -                 | _        |   | ├                | 8        | ┡  | ╙            | L.,            | $\dashv$ | 4        | 4   | 4-                      | +                |              |              | 128        |          |               | _                                      | _4       | _        |          | _        | _        | _        |
|  | 28<br>29<br>30          |          |           | _        | -        |          |          | -               | Н                 | Н        |   |                  | 19       | ⊢  | <u> </u>     | Н              | Н        | 4        | +   | ╇                       | -                |              |              | 129        |          | 4             |  | _        | _        |          | 4        | 4        | _        |
| -  | 뀖                       | -        | -         | -        | $\dashv$ |          | -4       | -               | Н                 | _        |   | _                | 80       | ┞  | <u> </u>     |                | $\dashv$ | $\dashv$ | 4-  | -                       | +                |              |              | 130        | $\Box$   | $\rightarrow$ | 4                                      |          | _        |          | 4        | 4        | _        |
| ⊢┼   | 뀖                       | $\dashv$ | Н         |          |          |          | -        | $\vdash$        | Н                 | Н        |   | <del> </del>     | 81       | ⊢  | <del> </del> | Н              | Н        | $\dashv$ | +   | - -                     | +                |              |              | 131        | Ш        | $\sqcup$      | 4                                      | _        | _        |          |          | _        | _        |
| $\vdash \vdash$                                  | *                       |          | Н         | ႕        | $\dashv$ |          | $\dashv$ | $\vdash$        | $\vdash$          | Н        |   | <u> </u>         | 82<br>X1 | ⊢  | ⊢            | $\vdash$       |          | $\dashv$ | +   | +-                      | +                |              |              | 132        | Ш        | Н             | _                                      |          | -        | _        | -        | 4        | 4        |
| ┝╼╂  | 뀖                       | -        | Н         | $\dashv$ | $\dashv$ | -        | $\dashv$ | Н               | ⊢                 | $\vdash$ |   |                  | 84       | F  |              | $\vdash$       | $\vdash$ | -        | +   | +                       | +                |              |              | 133        | Н        | $\dashv$      | 4                                      |          | -        | _        |          | -        | 4        |
| ┝┉┯┼   | ¥                       | -        | Н         | $\dashv$ |          |          | -        | $\vdash \vdash$ | $\vdash$          | $\dashv$ |   | <b></b>          | 85       | ┼-   | -            | $\vdash$       | $\vdash$ | +        | +   | +                       | ╂╌┨              |              | ,            | 134        | Щ        | -             |  | -        | -        |          | -        | $\dashv$ | $\dashv$ |
| <del>                                     </del> | <del>5 8 8 8 8 8</del>  | $\dashv$ | $\vdash$  | -        | -        | -        | -        | $\vdash$        | $\vdash \vdash$   | $\dashv$ |   | $\vdash$         | 86       | +-   | $\vdash$     | Н              | H        | $\dashv$ | +   | +                       | +                |              | •            | 135<br>136 | Н        | $\dashv$      |  | 1        | $\dashv$ | -        |          | -        |          |
| ├──┼   | 7                       | $\vdash$ | $\dashv$  | 닉        | +        |          | ᅱ        | $\vdash$        | $\vdash$          | $\dashv$ |   | <b> </b>         | 87       | +-   | $\vdash$     | Н              | $\vdash$ | $\dashv$ | +   | ╁                       | $\dashv$         |              |              | 136        | Н        | $\dashv$      | $\dashv$                               |          | -        | -        | -        |          | $\dashv$ |
| <del>   </del>                                   | 38                      | $\dashv$ | $\dashv$  | -        | $\dashv$ | -1       | $\dashv$ | Н               | $\vdash$          | $\dashv$ |   | $\vdash \vdash$  | 88       | ┢  | -            | Н              | $\vdash$ | $\dashv$ | +   | ╁                       | ┿                |              |              | 138        | Н        | $\dashv$      | -                                      |          | 4        | -        | $\dashv$ | +        | $\dashv$ |
| H  | 3                       | $\neg$   | $\dashv$  | $\dashv$ | -1       |          | $\dashv$ | $\vdash$        | $\vdash$          | -        |   | <del>  -  </del> | 89       | $\vdash$   | -            | Н              | $\vdash$ | +        | +   | ╁                       | +                | ⊪            | -            | 138        | $\vdash$ | $\dashv$      | -1                                     | -+       | $\dashv$ |          | +        | +        | $\dashv$ |
|  | 40                      | $\dashv$ | $\vdash$  | $\dashv$ | +        | ┪        | $\dashv$ | $\vdash$        | $\vdash$          | $\dashv$ |   | <del></del>      | 90       | $\vdash$   | Н            | Н              | -        | +        | +   | +-                      | +                | ⊪            | -            | 140        | $\vdash$ | -             | -1                                     | $\dashv$ | $\dashv$ |          | -+       | $\dashv$ | $\dashv$ |
| 1  | 41                      | $\dashv$ | $\neg$    | -        | 7        | ᅥ        | $\dashv$ | $\vdash$        | $\vdash$          | $\dashv$ |   |                  | 91       | $\vdash$   | $\vdash$     | Н              | -        | $\dashv$ | +   | +                       | +                | ⊪            | -            | 141        | $\vdash$ | +             | -                                      | $\dashv$ | $\dashv$ |          | +        | +        | $\dashv$ |
| 1  | 42                      | $\dashv$ | -         | $\neg$   | 7        | 7        | $\dashv$ | Н               | Н                 | $\dashv$ |   | $\vdash$         | 92       | <del>                                     </del> |              | Н              | -        | $\dashv$ | +   | +                       | +                | ⊪            |              | 142        | -        | +             | $\dashv$                               | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 13                      | $\dashv$ |           | $\dashv$ | 一        | -        | $\dashv$ | $\dashv$        | H                 | -        |   | $\vdash$         | 93       | $\vdash$   | Н            | $\vdash$       | -        | +        | +   | +                       | ╅╾┨              | ⊪ŀ           | -            | 143        | $\vdash$ | -+            | $\dashv$                               | $\dashv$ |          | -        | +        | $\dashv$ | $\dashv$ |
|  | 44                      | $\dashv$ | $\dashv$  | _        | $\dashv$ | _        | $\dashv$ | 1               |                   |          | ░ |                  | 94       | <del>                                     </del> | Н            | Н              | -+       | $\dashv$ | +   | +                       | ╁                | ⊪            |              | 144        |          | +             | $\dashv$                               | $\dashv$ | -        | -        | -        | +        | $\dashv$ |
|  | 15                      | ヿ        | $\neg$    |          | $\dashv$ | 7        | 7        |                 | $\vdash$          | $\dashv$ |   | $\Box$           | 95       | <u> </u>   | Н            | Н              | -        | $\dashv$ | +   | $\top$                  | +                | ⊪            | -            | 145        |          | +             | $\dashv$                               | $\dashv$ | +        | $\dashv$ | +        | +        | $\dashv$ |
|  | 16                      | -        | $\neg$    | 7        | 7        | 7        | ┪        | $\dashv$        | $\vdash$          | $\neg$   |   | $\vdash$         | 96       | Н  | Н            | $\vdash$       | $\dashv$ | +        | +   | +                       | +                | ⊪ŀ           | $\dashv$     | 146        | $\dashv$ | $\dashv$      | +                                      | -        | ┪        | -+       | +        | 十        | ᅱ        |
| 15   | 47                      | =        | =         | _        | $\dashv$ | 寸        | ┪        | 一               | $\Box$            | $\dashv$ |   | $\vdash$         | 97       |  | М            | H              | $\dashv$ | +        | 十   | ┰                       | H                | ⊪ŀ           | <del> </del> | 147        | $\dashv$ | $\dashv$      | +                                      | +        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ |
| ic   | 48                      | 7        | Ť         | ╛        | $\neg$   | ┪        | _        |                 | $\Box$            | $\neg$   |   |                  | 98       |  | П            | $\vdash$       | _        | +        | +   | +                       | +                | <b></b>      |              | 148        | $\dashv$ | $\dashv$      | $\dashv$                               | ┪        | +        | $\dashv$ | ╅        | $\dashv$ | $\dashv$ |
| 17   | 49                      | 71       | 71        | ┪        | $\dashv$ | 7        | ┪        | _               | $\Box$            | 7        |   |                  | 99       | Т  |              |                | +        | $\dashv$ | $\top$  | +                       | +                | ┉╊           | $\dashv$     | 149        | $\dashv$ | +             | ┪                                      | +        | +        | +        | $\dashv$ | +        | $\dashv$ |
|  |                         | 劃        | 月         | ╗        |          |          |          | $\neg$          | $\neg$            | $\neg$   |   |                  | 100      |  | М            |                | 十        | $\top$   | +   | +-                      | H                | <b>     </b> | 一            | 150        | $\dashv$ | $\dashv$      | -1                                     | 一        | $\dashv$ | 7        | $\dashv$ | +        | $\dashv$ |
|  |                         |          |           | _        |          |          |          | _               |                   | _        |   |                  |          | ч-   | لب           | _              | _        |          |   |                         | الست             |              |              | 100        |          |               | بـــــــــــــــــــــــــــــــــــــ |          |          |          |          | ㅗ        |          |